



SEQUENCE LISTING

<110> Pavlakis, George N.
Nappi, Filomena
The Government of the United States
as represented by the Secretary of
The Department of Health and Human Services

<120> Novel Post-Transcriptional Regulatory Elements and Uses
Thereof

<130> 015280-352100US

<140> US 09/673,716
<141> 2001-02-26

<150> US 60/086,487
<151> 1998-05-22

<150> WO PCT/US99/11082
<151> 1999-05-18

<160> 6

<170> PatentIn Ver. 2.0

<210> 1
<211> 231
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:core
post-transcriptional regulatory element (PRE)
designated "fragment B"

<400> 1
gtgggggtgcg aggctaagca ctgcacagag gatagcttgc tgttggcatc ctgtggaagg 60
cacgtctgat tgcatagaagg ttcagtgtcc tagttccctt cccccaggaa aaacgacacg 120
ggagctggcc aagacctctc tgggtgatga gcctaaggga tggttttgtg tagggccctt 180
atgcttgcac actggggatc agacctctac cttcaccat gaggcttgct t 231

<210> 2
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:illustrative
primer oligonucleotide complementary to 3' thirty
nucleic acids of SEQ ID NO:1

<400> 2
aagcaagcct catgggtgaa ggtagaggac

<210> 3
<211> 30
<212> DNA
<213> Artificial Sequence

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<220>
 <223> Description of Artificial Sequence:illustrative
 primer oligonucleotide incorporating the 5' thirty
 nucleic acids of SEQ ID NO:1

<400> 3
 gtggggtgcg aggctaagca ctgcacagag

30

<210> 4
 <211> 391
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:"rescuing"
 post-transcriptional regulatory element (PRE)
 insert designated "PRE7"

<400> 4
 ctttcgccat ggtagcatag gcttttgctg cagtggaggc gggacaatct cctcagattc 60
 ggtttgccgc tctaaaagaa attatgctgc gttatgccgt ggggtgcgag gctaagcact 120
 gcacagagga tagcttgctg ttggcatcct gtggaaggca cgtctgattg catgaagggt 180
 cagtgtccta gttcccttcc cccaggaaaa acgacacggg agctggccaa gacctctctg 240
 ggtgatgagc ctaagggatg gttttgtgta gggccctat gcttgcacac tggggatcag 300
 acctctacct tcacccatga ggcttgcttg cagcaattaa gatctggcca taggttaatt 360
 aacatcctgg ccttttgatg cacctgccac a 391

<210> 5
 <211> 226
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:functional
 fragment named "M4"

<400> 5
 ccgtggggtg cgaggctaag cactgcacag aggatagctt gctggttgca tctgtggaa 60
 ggcacgtctg attgcatgaa gggtcagtgt cctagttccc tccccccagg aaaaacgaca 120
 cgggagctgg ccaagacctc tctgggtgat gagcctaagg gatggttttg ttaggggcc 180
 ctatgcttgc aactgggga tcagacctct accttcaccc atgagg 226

<210> 6
 <211> 100
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:PRE sequence
 having about 83% sequence identity to SEQ ID NO:1

<220>
 <221> modified_base
 <222> (1)..(100)
 <223> n = any nucleotide

<400> 6
 aggagttgca aggctaagcn actgcacagg agaggntctg cggmntataa cgactttctc 60
 ctgggagata agtcatcttg catgaagggt ctatgntcat 100

Q1
 cont